

Converting Colors

$Y_{xy}(46.7292, 0.2203, 0.2459)$

Have a look what the booklet for
Yxy(46.7292, 0.2203, 0.2459)
contains.

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Color

Yxy(46.8717, 0.2205, 0.2464)

Conversions

Conversions Part 1

Format	Color
Hex	66BEFF
RGB	102, 190, 255
RGB Percent	40%, 75%, 100%
CMY	0.5996, 0.2549, 0.0002
CMYK	0.60, 0.25, 0.00, 0.00
HSL	205°, 100%, 70%
HSV	205°, 60%, 100%
XYZ	41.9448, 46.8717, 101.4095
YIQ	171.0980, -73.3130, 1.5590

Conversions

Conversions Part 2

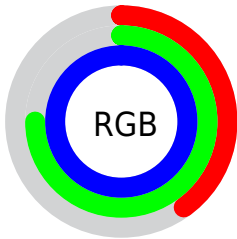
Format	Color
R _Y B	102, 158, 255
Decimal	6733567
CIE Lab	74.11, -7.72, -39.96
CIE LCh	74, 40.697, 259.060
Yxy	46.8717, 0.2205, 0.2464
Android (android.graphics.Color)	4284923647 (0xFF66BEFF)
YUV	171.0980, 41.3637, -60.5989
Hunter-Lab	68.4629, -10.4493, -39.8983

Details

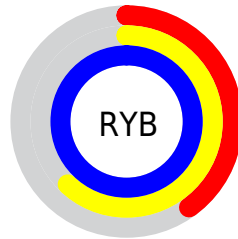
The Yxy color **46.8717, 0.2205, 0.2464** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.8716, 0.4541, 0.3942**, and the grayscale version is **40.6037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0240, 0.2610, 0.3189**, and **22.1280, 0.1979, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **41.0838, 0.2081, 0.2297**, and if you desaturate by 10%, it is **53.4699, 0.2345, 0.2626**.

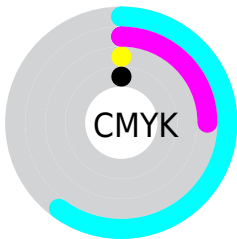
Distribution



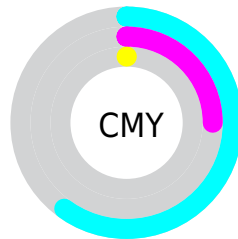
- Red (40%)
- Green (75%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8717, 0.2205, 0.2464 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.8717, 0.2205, 0.2464 by changing the saturation by 10% instead.


 46.8717, 0.2205,
0.2464

 46.8717, 0.2205,
0.2464


374.3022, 0.2644,
0.2867


 32.9342, 0.2104,
0.2369


 85.5221, 0.2359,
0.2607

 22.0761, 0.1979,
0.2250


 111.0038, 0.2418,
0.2662

 13.9128, 0.1822,
0.2099


 141.1024, 0.2469,
0.2708

 8.0600, 0.1621,
0.1902

176.2022, 0.2514,
0.2749

 4.1334, 0.1357,
0.1638

216.6877, 0.2553,
0.2784

 1.7485, 0.1010,
0.1278

262.9433, 0.2587,

 0.4547, 0.0383,

0.2815

0.0716

315.3533, 0.2617,
0.2843

0.0000, 0.0000,
0.0000

46.8717, 0.2205,
0.2464

46.8717, 0.2205,
0.2464

41.0838, 0.2081,
0.2297

53.4699, 0.2345,
0.2626

36.0502, 0.1977,
0.2129

60.9187, 0.2495,
0.2781

31.7128, 0.1896,
0.1965

69.2609, 0.2653,
0.2926

27.9793, 0.1835,
0.1806

78.5344, 0.2813,
0.3060

27.9641, 0.1835,
0.1806

88.7746, 0.2972,
0.3181

99.9974, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.8717, 0.2110, 0.2748



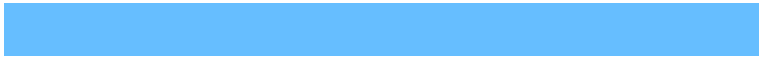
46.8717, 0.2205, 0.2464



46.8717, 0.2524, 0.2401

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.8717, 0.2205, 0.2464



46.8717, 0.4078, 0.3232



46.8717, 0.3143, 0.4235

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.8717, 0.2205, 0.2464



49.8716, 0.4541, 0.3942

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.8717, 0.3691, 0.4310



46.8717, 0.2205, 0.2464



46.8717, 0.4262, 0.3674

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.8717, 0.2205, 0.2464



46.8717, 0.3607, 0.2829



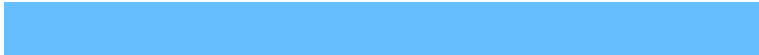
46.8717, 0.4108, 0.4074



46.8717, 0.2619, 0.3816

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.8717, 0.2205, 0.2464



46.8717, 0.2844, 0.2470



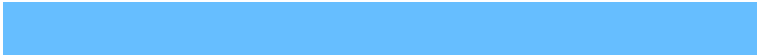
46.8717, 0.4108, 0.4074



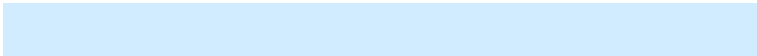
46.8717, 0.3331, 0.4302

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.8734, 0.2205, 0.2464



80.4899, 0.2844, 0.3085



77.0701, 0.2773, 0.4442



16.6176, 0.2798, 0.3048



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.8734, 0.2205, 0.2464



40.0098, 0.2058, 0.2263



22.2709, 0.1987, 0.1492



19.1124, 0.2979, 0.3186



14.9192, 0.1842, 0.1832



1.6693, 0.1893, 0.2013

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.4911, 0.3887, 0.2425



28.9909, 0.4119, 0.2321



85.8496, 0.4046, 0.4604



18.1622, 0.3204, 0.3154



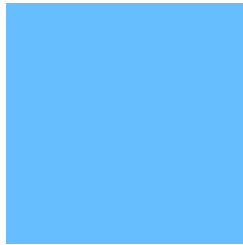
12.2341, 0.4648, 0.2334



1.2131, 0.4438, 0.2218

Previews

White Background



This preview shows how the Yxy color 46.8717, 0.2205, 0.2464 looks on a white background.

Color Contrast Check

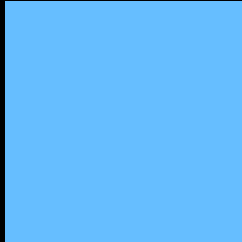
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.8717, 0.2205, 0.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

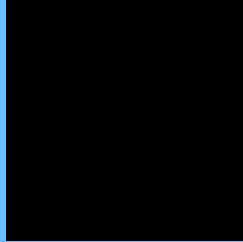
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

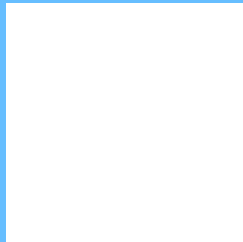
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8717, 0.2205, 0.2464

Background



This preview shows how black text looks on a background with the Yxy color 46.8717, 0.2205, 0.2464.



This preview shows how white text looks on a background with the Yxy color 46.8717, 0.2205, 0.2464.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.8717, 0.2205, 0.2464

Protanopia

46.5754, 0.2536, 0.2479

Deuteranopia

46.3302, 0.2437, 0.2377



Tritanopia

47.1280, 0.2338, 0.3062

Trichromacy



Original Color

46.8717, 0.2205, 0.2464

Protanomaly

46.2820, 0.2394, 0.2471

Deuteranomaly

46.2379, 0.2338, 0.2404

Tritanomaly

46.9115, 0.2287, 0.2825

Monochromacy



Original Color

46.8717, 0.2205, 0.2464

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2160, 0.2694, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8717, 0.2205, 0.2464 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 190, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8717, 0.2205, 0.2464 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 190, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(102, 190, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(102, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8717, 0.2205, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 190, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
190, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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